

cant, while the other passageway is connected to the conduit extending to the source of pressurized air.

4. An emergency lubricant/mist system for providing a pressurized spray of lubricant to a lubricated part for a limited period of time after failure of a main lubrication system as in claim 1 wherein the volume of the emergency lubricant reservoir is approximately 100 cubic centimeters.

5. An emergency oil/mist system for providing a pressurized spray of oil to a lubricated part for a limited period of time after failure of a main lubrication system comprising:

a source of pressurized oil;

an air aspirating nozzle for providing oil to the lubricated part, said nozzle including two generally parallel passageways leading to an enlarged outlet for said nozzle;

conduit means interconnecting the source of pressurized oil to said nozzle;

an emergency lubricant reservoir disposed in the conduit means intermediate said source of pressurized oil and the nozzle;

atmospheric vent means;

a source of pressurized air;

a piston control valve interconnecting: (1) said atmospheric vent means with said emergency lubricant reservoir; and (2) the source of pressurized air with the air aspirating nozzle, with the piston of said piston control valve being actuated in response to the pressurized lubricant in the conduit means such that when the main lubrication system is operational, the piston is operative to inhibit interconnection between said atmospheric vent means and the emergency lubricant reservoir, as well as inhibit interconnection between the source of pressurized air with the air aspirating nozzle, whereas, upon failure of the main lubrication supply system,

the piston is actuated so as to interconnect the emergency lubricant reservoir with the atmospheric vent means and simultaneously interconnect the source of pressurized air with the air aspirating nozzle such that the pressurized air passing through one of the passageways in the nozzle is effective to aspirate oil from the emergency lubricant reservoir to create a pressurized mist of lubricant which is sprayed out of the enlarged nozzle outlet for providing lubricant to the lubricated part, as well as providing cooling pressurized air flow to the lubricated part.

6. An emergency oil/mist system for providing a pressurized spray of oil to a lubricated part for a limited period of time after failure of a main lubrication system, as in claim 5 wherein the volume of the emergency lubricant reservoir is approximately 100 cubic centimeters.

7. An emergency oil/mist system for providing a pressurized spray of oil to a lubricated part for a limited period of time after failure of a main lubrication system, as in claim 5 wherein the piston control valve includes an outer cylindrical casing and a piston slidably mounted therein, said cylindrical including a plurality of aligned passageways extending therethrough, which passageways are connected to said aspirating vent means, said source of pressurized air, said emergency lubricant reservoir, and the air aspirating nozzle.

8. An emergency oil/mist system for providing a pressurized spray of oil to a lubricated part for a limited period of time after failure of a main lubrication system, as in claim 7 wherein the piston control valve is of the pressure balance type and the position of the slidable piston is responsive to the oil pressure drop and the introduction of the pressurized air source acting on the pressure balance piston.

\* \* \* \* \*

40

45

50

55

60

65